



City of Seattle

Department of Planning and Development

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GLAZING CALCULATION WORKSHEET FOR SUBJECT TO FIELD INSPECTION (STFI) PERMITS ENERGY CODE PRESCRIPTIVE PATH

- NOTE: For STFI energy code compliance, additions and alterations are calculated separately. Calculate for alterations first. Do not combine calculations.
- Glazing includes rough openings of all windows and doors that are greater than 50% glass. For doors less than 50% glass, measure the actual glass area only.
- Show window and skylight sizes/U-factors by schedule or on floor plans.
- Show prescriptive values on cross-section.
- Framing must be wood. Metal framing is not allowed under prescriptive approach.
- If a prescriptive path cannot be attained, STFI is not an option and plans must be submitted by intake appointment.
- Dormers and/or true bay windows are calculated as alterations. (True bay windows have no new floor area)

A. ALTERATIONS: (Calculate for heated area of existing house)

- | | |
|--|---------------|
| 1. Heated floor area of whole house: (Measure to outside of walls) | 1. _____ s.f. |
| 2. Total glazing area (before): | 2. _____ s.f. |
| 3. Total glazing area (after): (Include existing glazing) | 3. _____ s.f. |
| 4. Net change in glazing: (Subtract item #2 from item #3) | 4. _____ s.f. |
| 5. Percent glazing: [(Item #3 divided by item #1) X 100] | 5. _____ % |
- Note: 15% max. for all fuels

6. Compensation: If there is a net increase in glazing, (Item #4), you must compensate with one or a combination of the following compensation methods. (Show compensation on plans)
- a. 2 X's _____ sq. ft. of total net increase in rough area openings = _____ sq. ft. of **storm windows** (installed on existing single pane windows).
 - b. 7 X's _____ sq. ft. of total net increase in rough area openings = _____ sq. ft. of **R-30/R-38 insulation in ceiling or R-30 insulation for crawl space or unheated floor.**
 - c. 1 X's _____ sq. ft. of total net increase in rough area openings = _____ sq. ft. of **existing windows to be replaced with U.40** (For all other heat sources)

B. ADDITIONS: (Calculate for new floor area only)

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|--|-------------------------|
| 1. New heated floor area: (Measure to outside of walls) | 1. _____ s.f. |
| 2. Proposed glazing for addition: | 2. _____ s.f. |
| 3. Percent glazing: [(Item #2 divided by item #1) X 100] | 3. _____ % |
| 4. Prescriptive path: | 4. _____ |
| 5. Existing heating system (fuel source and type): | 5. _____ |
| 6. Heating system for addition (new or extending existing system): | 6. _____ |
| 7. If new, fuel source and type for proposed system: | 7. _____ |
| 8. Maximum new heating capacity allowed (20 BTUH/SF or 5.86 Watts/sf of new heated floor area) | 8. _____ BTUH/
Watts |

NOTE: Any window being relocated must meet current required U value to obtain Prescriptive approval under STFI